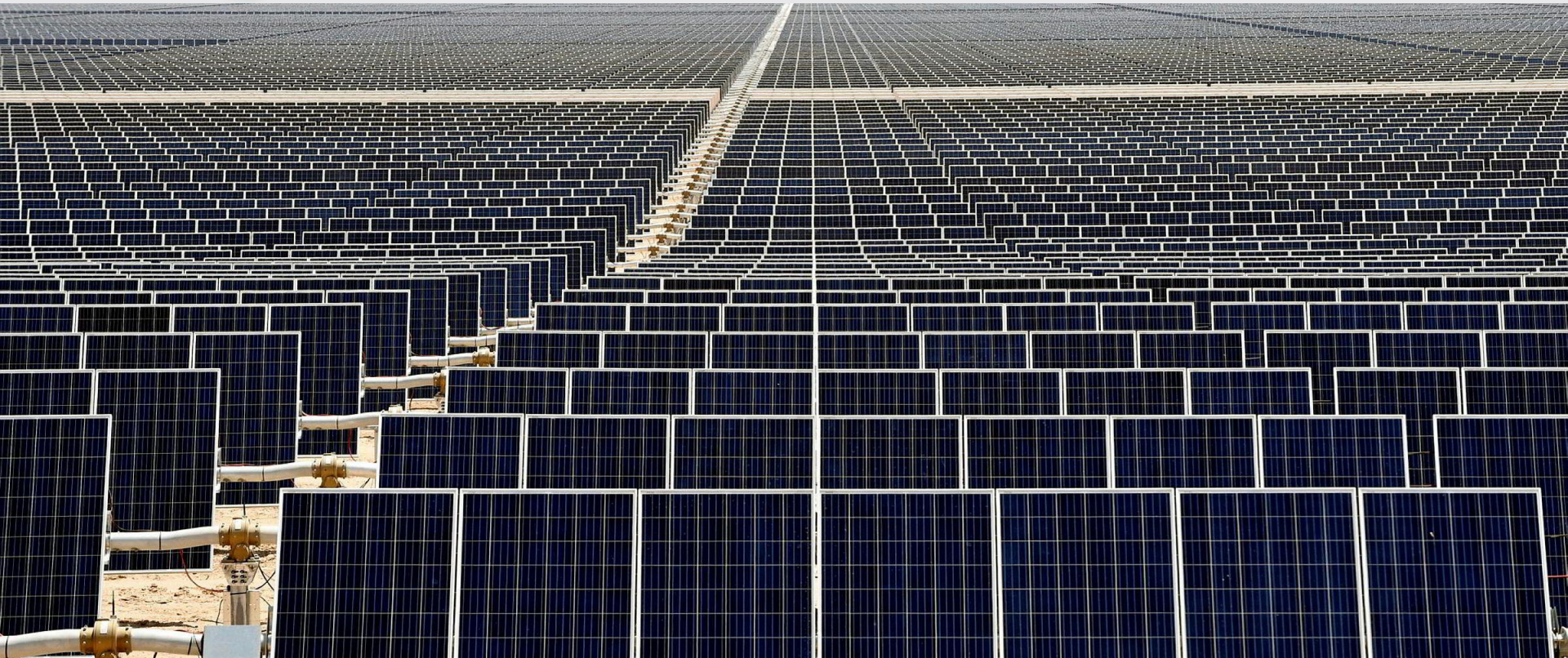


QINSO

Passion to Innovate....







**SOLAR SYSTEM DESIGN AWARD
BY NSIC , **GOV OF INDIA****



**SOLAR SYSTEM DESIGN AWARD
BY IIT BOMBAY & NSDC **GOV OF INDIA****

Receiver's of **Four International Awards**



IS PROUD TO PRESENT

QUASAR INNOVATIVE SOLUTIONS (QINSO)

AS ONE OF THE

TOP 10

RENEWABLE ENERGY STARTUPS

2022

*in acknowledgement of its unwavering focus and dedication
to achieve excellence in quality and delivery in this field.*

Sudhakar Singh

Sudhakar Singh
Managing Editor
Industry Outlook



Top most innovation leader (Global)



» HIGHLIGHTS →

- 1 **Topmost Innovation Leader Award by World Innovation Congress.**

- 2 **System Designer of First Solar Hybrid Bus for IIT-B**

- 3 **Winner of Best Solar System Design held by IIT-B across 1500 Researchers.**

- 4 **Designed Astronomical Solar Tracker System, paper published in IEEE, 2017**

- 5 **Paper Presented at World Solar Conference 2017, UAE**

- 6 **Runner Up of Solar Design Challenge at Sigma Summit, Gov. of India, 2018**



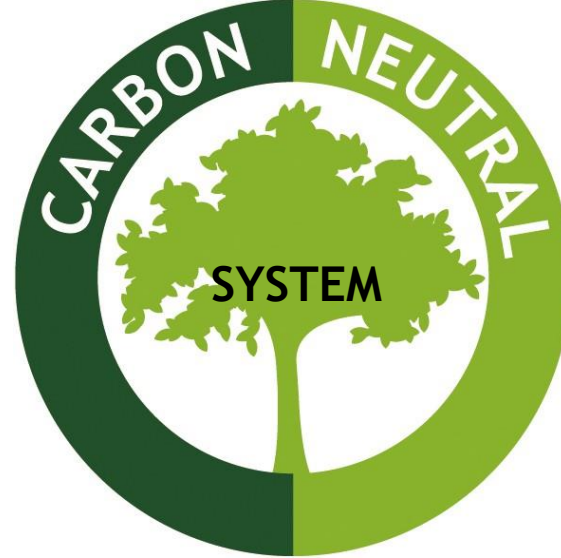
Our Core Missions - QINSO



Cost Effective



**In Renewable
Technology**

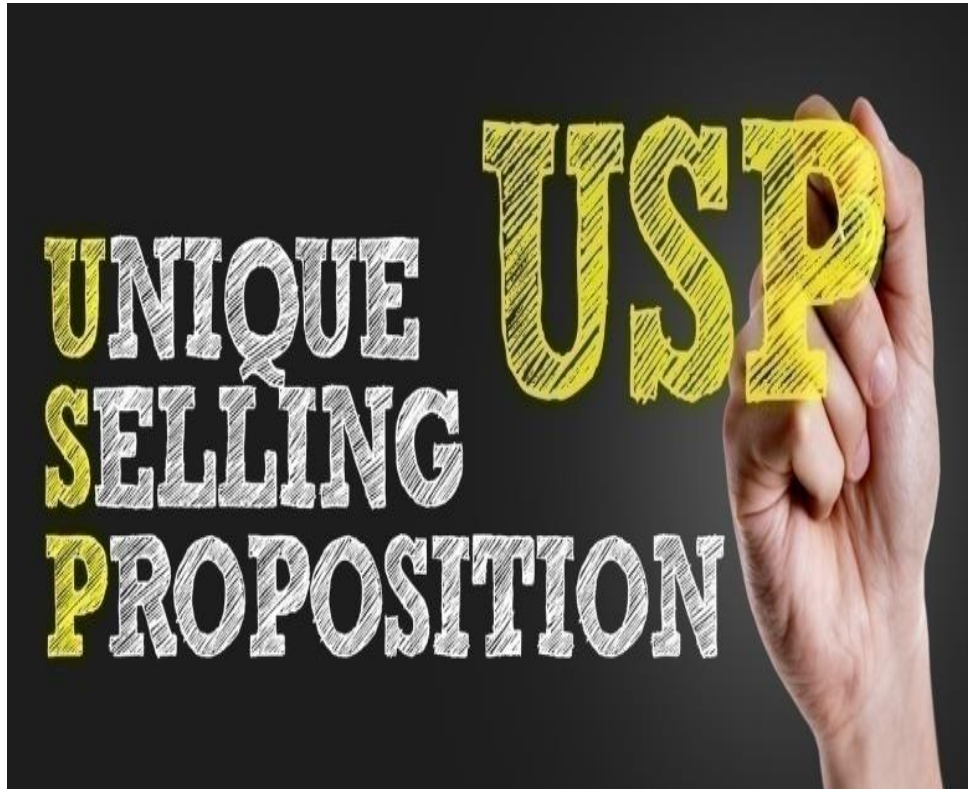


**To Design Co2
Neutral System**





Our Unique Selling Proposition



-
- **Highest Efficiency Designs**
 - **Government Projects Expertise**
 - **Good EPC Network In Africa & Asia**
 - **Cost Optimisation for Quick ROI**
 - **National Award winning designs**
 - **Generation Guarantee**
-

Scope of Services - QINSO



**RESEARCH
& DEVELOPMENT**

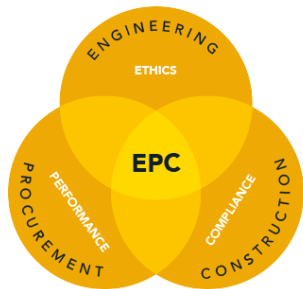
**Trainings & Workshops
For Gov of India**

Project Finance Consultation

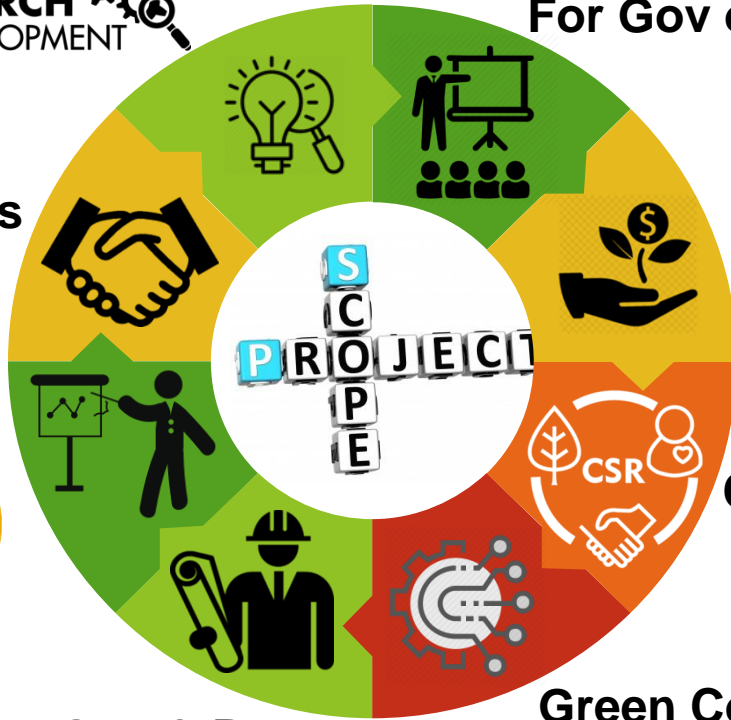
CSR For Gov of India

Green Consultation For Gov of India

EPC for Gov & Pvt



Technology Partners



Domain Expertise – Traditional Systems



Benefits of Grid Connect Solar

- Instant Savings.
- In- Built Savings.
- Long term Savings.
- Depreciation Benefits.
- Generating your own Electricity
- Security from Rising Electricity Costs.
- Offset against Electricity Costs.

Domain Expertise – Floating Solar



POLY / MONO



MONO
POLY





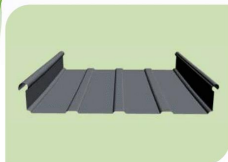
TATA STEEL

ESSAR

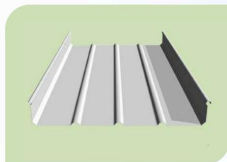
SAFINTRA
world class roofing systems

JSW Colouron+
Premium Colour Coated Roofing Sheets

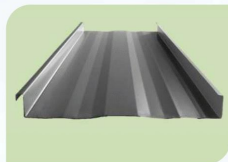
SUSTAINABLE INNOVATIVE ROOFING SOLUTIONS



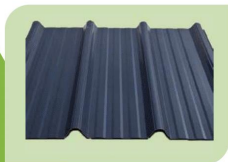
Kalzip profile



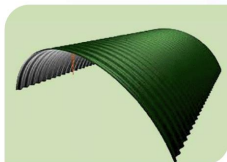
Standing Seam profile



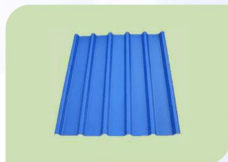
Mid Seam profile



Trapezoidal LH Profile



Circular Seam



Trapezoidal Plane
Profile



BIPV Solar



RENEWABLE TECHNOLOGY



SOLAR



WIND



ROOFTOP FARMING



THERMAL CSP



RURAL ELECTRIFICATION



FLOATING SOLAR



WASTE TO ENERGY





400 + 1100 KW at Yangon Myanmar



Problem Statement :

Sudden power cuts and distorted power transmission are the basic problems faced by the country. One such factory was completely running on 1000 kvA DG Sets and consumed about 35 Gallons of diesel per day to power the Factory.

Highlights :

- The management had a huge concern about high consumption pattern and unstable pricing of diesel so they wanted to switch to some alternative energy source like Solar Energy.
- We have installed 1.4 MW Solar Power Project which was the largest roof top project till date in Myanmar.



500 KW & 1 MW EPC at BHIWANDI , India



Problem Statement :

30 To 40% of O & M cost was the electricity expenses which were affecting the margins significantly. Client was looking for solution for this.

Highlights :

- We have installed solar power plant of **500 KW + 1 MW Leasing work.**
- The entire project is installed with adhesive based structure in EAST & WEST type-



500 KW EPC at Vasai , India



Problem Statement:

Client has incurred huge electricity expenses per month which affected their margins significantly.

Highlights:

- We have changed the entire roof of the premises & have installed solar power plant of **500 KW**
- The entire project is installed with adhesive based structure in EAST & WEST type



500 KW EPC at Gujrat , India



Problem Statement:

Client has incurred huge electricity expenses per month which affected their margins significantly.

Highlights:

- We have installed solar power plant of 500 KW
- The entire project is installed with MMS based structure in EAST & WEST type.



300 KW at Global Vipassana Pagoda



Problem Statement:

Global Vipassana Pagoda located at Mumbai was needed a robust solar system which preserved the sanctity of the institution.

Highlights:

- Successfully installed the solar plant at Global Vipassana.
- In order to preserve the aesthetic look of the institution, the structure height was maintained less and the panels were arranged in East-West direction from ground level.

Also, to withstand heavy wind speed, the structure was installed with additional civil blocking to minimize structural vibration





Problem Statement :

Zenith Engineering Corporation, a leading manufacturer of LT Electrical Control Panel & Busducts, had a weak rooftop and wanted to install solar system to reduce their electricity bills.

Highlights:

- Designed and successfully installed Solar Power System, that helped reduce their electricity bills by 90%.
- Taking into consideration the weak structure of the roofs, before the installation of the system, the rooftop was restructured & changed to accommodate the solar system.

On-Grid EPC Connected System at NPCIL



Problem Statement:

Nuclear Power Corporation of India located at BARC, Trombay faced the biggest challenge of wind speed of above 44 mphr. Hence the system and structure has to be designed in such a way that it will not gets affected by wind pressure.

Highlights:

- After taking into consideration of all situations, we designed and developed the solar structure as per 55 mphr or 200 km/hours
- Successfully installed in a record delivery time 30 days and quick installation at site.



Solar Electric Bus at IIT-B - EPC



Problem Statement:

A complete DC system project. Efficient system design was needed to charge bus batteries in less time with most efficient ways.

Highlights:

- Solar Electric Bus project was successfully executed.
- Design and installation on 42 kW. fully functional DC system at IIT, Mumbai
- The system designed in such a way that the bus batteries charges in just 5 hours.



850 KW PGT at Indian Oil Corporation



Problem Statement:

IOCL required 850 KW PGT at 8 different locations across Tamil Nadu , India

Highlights:

- Teams were deployed at 3 different locations at a time for faster execution and successful completion of 850KW PGT TESTING.
- Submitted the detail reports & analytics of the applications which were working on solar and their Efficiencies.



CSR Projects: Hemalkasa School Solar Rural Electrification



Problem Statement:

This was a CSR project at Hemalkasa, Gadchiroli. The client wanted to install Solar-powered Home Light System at their Adiwasi School at Nelgunda, Hemalkasa near Maharashtra – Chhattisgarh border.

Highlights:

- The site area was surrounded by dense forest & no grid connections nearby in around 50 km. This school was run successfully by Dr. Prakash Amte under “**Lok Biradari Prkalpa**” at Hemalkasa.
- Within 2 days we have successfully installed the 400W system for home light system for the school situated at a very remote location



CSR Projects: Reach Out Foundation Solar Rural Electrification



Problem Statement:

This was a CSR project of Reach Out Foundation. There are many rural areas in India that do not have access to electricity. One such example is Mokhada taluka. Due to non availability of electricity, life is difficult in the extreme rural parts of India.

Highlights:

- The site area where no grid connections available.
- People depend totally on kerosene and other fuels for their consumption needs, which has many hazardous effects on their health.
- The purpose was to distribute solar lanterns, which would be a viable source of energy.



CSR Projects: Navdrushti NGO Solar Rural Electrification



Problem Statement:

This was a CSR project of Navdrushti NGO for Saroli Pada which is 155km from Thane and 35km from Jawhar district.

Lack of lights during dark hours creates major security issues especially, for women's & children's.

Highlights:

- The project relates to the distribution of Solar Lanterns to the unelectrified places of Saroli Pada.
- There are no grid or electricity available in these remote locations.
- NGO Has donated 35 lanterns in Saroli Pada near Jawhar, Maharashtra.



Benefits:

- There are no grid or electricity available in these remote locations
- After distribution of solar lanterns, the people are happy, as they have got a source of energy for their daily needs.
- NGOs like Navdrushti, and many others have realized the importance of solar lantern, which is playing a very important role in enlightening the lives of the rural people.



Clientele – Government of India



कामये दुरवतप्रानाम्।
प्राणिनाम् आर्तिनाशनम्॥



(A Government of India Society)



जवाहरलाल नेहरू पोर्ट ट्रस्ट
JAWAHARLAL NEHRU
PORT TRUST
THE WORLD DOCKS HERE

Clientele – Private (India & Abroad)



L&T Infotech



COSMOS GROUP
Upgrading Lifestyle



**BUREAU
VERITAS**



Zenith Engineering



PV POWER TECH



CSR Initiatives Workshop & Training (Gov of India)



MSME



IIT-B



KVIC



IDEMI



QINSO REP



QINSO REP



EPC & I&C Projects completed Cumulative

TYPE	DETAILS	LOCATION	CAPACITY
EPC	Industrial Projects	Palghar , India	10.0 MW
EPC	Industrial Projects	Bhiwandi , India	5.0 MW
EPC	Industrial Projects	Gujrath , India	2.0 MW
EPC	Residential Projects	Thane , India	200 KW
EPC	Residential Projects	Palghar , India	100 KW
EPC	Residential Projects	Dhule , India	500 KW
EPC	Residential Projects	Pune , India	150 KW
EPC	Residential Projects	Nashik , India	200 KW
EPC	Industrial Projects	Kolhapur , India	600 KW
EPC	Industrial Projects	Pune , India	550 KW
EPC	Residential Projects	Sangli , India	550 KW
EPC	Residential Projects	Rajasthan , India	300 KW
EPC	Industrial Projects	Rajasthan , India	250 KW
EPC	Residential Projects	Mumbai , India	170 KW

CSR Projects completed - Rural Electrification Cumulative

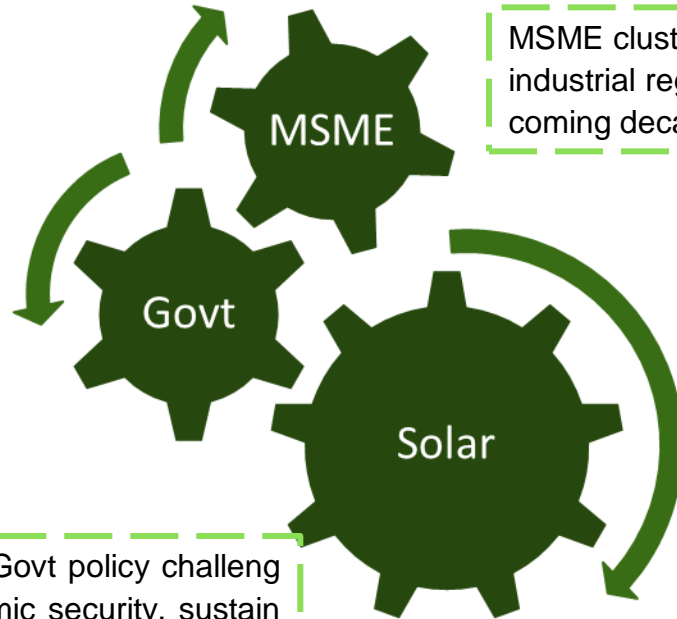
TYPE	DETAILS	LOCATION	CAPACITY KW
EPC	Forest Department	Maharashtra	300
EPC	Navdrushti NGO	Thane	250
EPC	Hemalkasa School	Gadchiroli	10
EPC	Reachout Foundation	Palghar	10
EPC	JSW Foundation	Mumbai	50
I&C	Industrial Projects	Gujarat	20 MW
I&C	Industrial Projects	International	1.5 MW
I&C	Industrial Projects	Mumbai	25 MW
I&C	Global Vipassana Pagoda	Mumbai	300
PGT	Industrial Projects	Chennai	50 MW
PMC	Industrial Projects	Gujarat	48 MW
PMC	Industrial Projects	Myanmar	1.5 MW
PMC	Residential Projects	Mumbai	30 MW
PMC	Industrial Projects	Mumbai	22 MW

Projects Experience



TYPE	DETAILS	LOCATION	CAPACITY
E P C	Government + Pvt + 3 rd Party	INDIA & ABROAD	20 MW
PMC	3 rd Party Projects	INDIA & ABROAD	100 MW
I & C	3 rd Party Projects	INDIA & ABROAD	50 MW

Way forward – Market Opportunity



MSME clusters in India & Other country coastal belt service the most prosperous industrial region and have strong potential to become countries growth engine in coming decade.

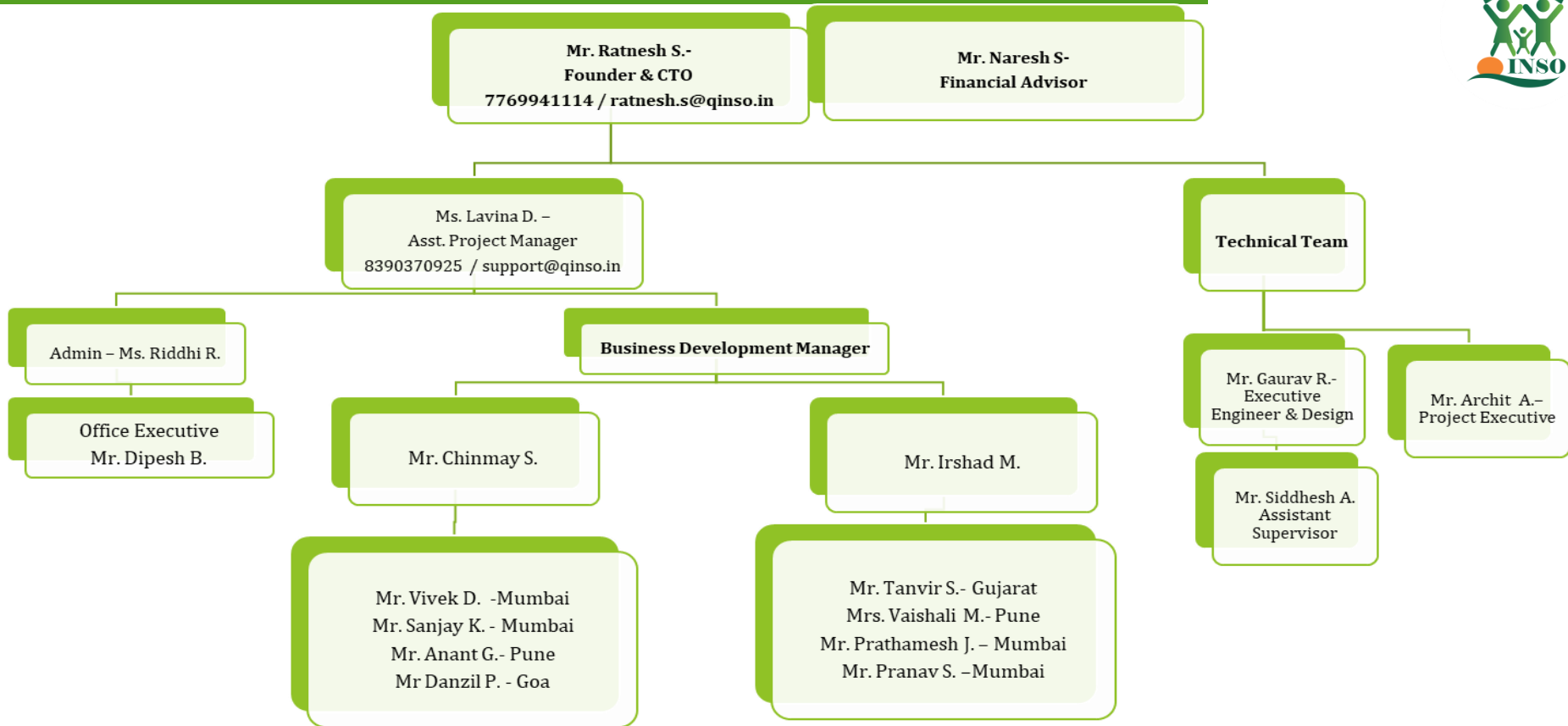
High power purchase costs due to high state tariffs and unreliable supply of electricity have a severe impact on the financial sustainability of MSMEs. Adopting solar on Capex, Opex model can support them in not only securing affordable and reliable power, but also free up cashflow for capital expenditures related to business expansion.

To address Govt policy challenges of economic security, sustainable growth and employment generation, a vibrant MSME manufacturing supply chain is critical.

Qinso is uniquely positioned to tap this market opportunity



Organization Structure



Results From Solar!!!



MAHATITAN Maharashtra Electricity Distribution Co. Ltd.
Maharashtra State Electricity Supply Company Limited
PEN CIRCLE: 525 PEN CODE: 27160000 HSN CODE: 27160000
KHOLOLI: 140

Consumer No.: 0905000141
Address: S. NO. 10A/25/6
Village: Pincod: 410203

Bill Month: Apr 2019
Consumption (Units): 50
Bill Demand (KVA): 4012.725,54
Bill Amount: 4012.725,54

Project By Qinso Renewables

Customer CARE Toll Free No. 1912, 1800-102-3435, 1800-233-3435

Bill reduction from 1,13,000 to 11,000 rs only.... Project by www.Qinso.in

Bank Guarantee Rs. 0.00 S.D. Arrears Rs. 00.00

Bill Month	Consumption (Units)	Bill Demand (KVA)	Bill Amount
Apr 2019	50	4012.725,54	4012.725,54
Mar 2019	710	4017.506,08	4017.506,08
Feb 2019	5,000	4052.742,00	4052.742,00
Jan 2019	10,748	4017.436,20	4017.436,20
Dec 2018	7,933	4091.371,08	4091.371,08
Nov 2018	7,125	4085.424,50	4085.424,50
Oct 2018	5,639	4168.104,03	4168.104,03
Sep 2018	4,744	4051.613,99	4051.613,99
Aug 2018	4,520	4050.690,64	4050.690,64
Jul 2018	5,694	4059.595,00	4059.595,00

CUSTOMER CARE No. 1912, 1800-102-3435, 1800-233-3435

Bill reduction from 1,13,000 to 11,000 rs only.... Project by www.Qinso.in

7769941114
8999127006 Ratnesh Shingrupe

Reading Date	Current (Units)	Previous (Units)	Difference
Current 01-04-2019	50	0	50
Previous 01-04-2019	0	0	0
Difference	50	0	50
Multiplying Factor	1.0000	1.0000	1.0000
Consumption	50	0	50
1 Metering	0.0000	0.0000	0.0000
Adjustment	0.0000	0.0000	0.0000
Assessed Consumption	50	0	50
Total Consumption	50	0	50

Bill Demand (KVA)	Rate	Amount
40	0.00	0.00
Assessed P.F.	0.00	0.00
Filed P.F.	0.00	0.00

Consumption Type	Units	Rate	Amount
Residential	0	0.00	0.00
Commercial	0	0.00	0.00
Industrial	0	0.00	0.00

Residential	Commercial	Industrial	Amount
0	0	0	0.00
0	0	0	0.00
0	0	0	0.00

Residential	Commercial	Industrial	Amount
0	0	0	0.00
0	0	0	0.00
0	0	0	0.00

Residential	Commercial	Industrial	Amount
0	0	0	0.00
0	0	0	0.00
0	0	0	0.00



95 % Reduction in Bills

Factory , MSEDCL

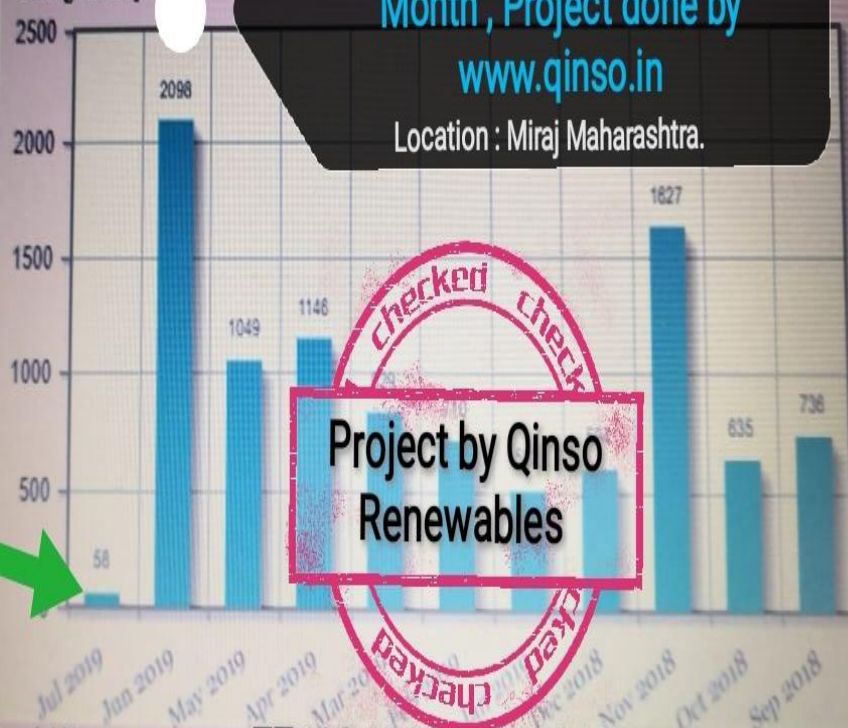
96% Reduction



Bill reduced by 96% within
Month , Project done by
www.qinso.in

Location : Miraj Maharashtra.

Billing History:



Project by Qinso
Renewables

Special Message :

* Consumers can pay electricity bill online through MSEDCL official website

7769941114 , 8999127006



95 % Reduction
in
Bills

UTILITY , ADANI

QINSO SOLAR PROJECT

MUMBAI 400104
CENTRAL
CZ2-GOREGAON (W)
PAN No

Bill No : 100098478795
Tariff :
Category : RESIDENTIAL
Type of Supply : LT

Rs. 780.00
(after discount of Rs. 6.62)

*Relief only in current bill amount, previous bills payable immediately

Total units consumed	Current month's bill amount	Net other Charges	Net previous balance
124	Rs.787.98	Rs.0.00	Rs.6.16

Details of your bill-Electrical Energy-HSN Code 27160000

Particulars	Amount
Fixed Demand Charge	105.00
Energy Charge	319.60
Reliability Charges-Standby Charge/ Wheeling Charge	195.92
Reliability Charges-Cost Of Expensive Power/ Reliability Charge	58.76
Misc Charges I	0.00
Misc Charges II	0.00
Fuel Adjustment Charge	0.00
Government Electricity Duty(excluding 0. exempted units)	17.13 Cr
Mah. Govt. tax on Sale of Electricity	105.94
Current month's bill amount (A)	19.89
Others	787.98
Incentive on Payment Mode (ECS / Internet)	0.00
Delay Payment Charge on previous month bill	0.00
Interest charged on arrears	0.00
Adjustments	0.00
Net Other Charges in Current Bill (B)	0.00
Total Current Month charges (A+B)	787.98
Previous month's bill amount	21,734.44
Payment received upto 14.10.2017	21,640.00
rompt Payment Discount	0.00
et Previous Balance(C)	6.16
otal Bill Amount(A+B+C)	794.14
mount Deferred	0.00
and sum payable by 04.12.2017	790.00
ur Security Deposit (SD) with us	9,730.00

olated stamp duty paid by order no. Mudrank A. M. S. 2016/3061 C. R. 770/M-1 dated 30.11.2016.

Project By www.Qinso.in
7769941114

Period (Month) Units

Period (Month)	Units
OCT-16	
NOV-16	
DEC-16	
JAN-17	
FEB-17	
MAR-17	
APR-17	
MAY-17	
JUN-17	
JUL-17	915
AUG-17	1,014
SEP-17	980

ASHISH K
Business Head
(For Reliance)

Registered Office: Reliance Infrastructure Ltd., H Block, 1st Floor, Dhirubhai Ambani Knowledge City, Navi Mumbai
GSTIN: 27AACC7446Q1ZM / PAN number : AACC7446Q / GST Number : 27AACC7446Q1ZM

INDIA

Maharashtra

10 ,11 Angelica , NSP ,Vasai
Palghar , Maharashtra
India : 401203

Andra Pradesh

4-17-9 Kannamamba ,
Ramalaya Temple ,
Rajahmunory -
Andhra Pradesh India 533101

QINSO

Passion to Innovate



SOLAR



WIND



THERMAL CSP, CRSP



ROOFTOP FARMING



RURAL ELECTRIFICATION



FLOATING SOLAR



WASTE TO ENERGY

WWW.QINSO.IN

South Africa

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rdens Sandton
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Ratnesh.s@qinso.in

8999127006 / 7769941114



Quasar Innovative Solutions
passion to innovate...

GREEN MISSION FOR GREENER NATION